

Table 1
Soil Physical Data
White Motel Property
107-111 East 14th Street
Chicago Heights, Illinois

BORING NO.	SAMPLE NO.	DEPTH (ft)	USCS SYMBOL	D2974 ORGANIC CONTENT (burnoff) (%)	D2216 WATER CONTENT (%)	VOL WATER CONTENT (cm ³ /cm ³)	D854 SOIL PARTICLE DENSITY (gm/cm ³)	D2937		D5084 COEFFICIENT OF PERMEABILITY (K) @ 20 ^o C (cm/sec)	INTRINSIC PERMEABILITY (cm ²)	CALCULATED				
								SOIL BULK DENSITY (pcf)	SOIL DRY DENSITY (pcf)			TOTAL SOIL POROSITY (-)	AIR-FILLED SOIL POROSITY (-)	WATER-FILLED SOIL POROSITY (-)	SATURATION (%)	
PHYS-1		5-7						118								
PHYS-1		5.55			24.8											
PHYS-1		6.1			20											
PHYS-1	C	6.35	CH	0.9	18.6	0.33	2.72	130.4	109.9			0.35	0.02	0.33	93	
PHYS-1		6.65			18.8											

TABLE 2
WATER LEVELS AND ELEVATIONS
White Motel Property
107-111 East 14th Street
Chicago Heights, Illinois

Well ID	TOC Elevation	Date	Water Level	Total Depth	Water Elevation
	feet		feet bTOC	feet bTOC	feet
MW-1	97.42	5/3/2012	7.6	14.96	89.82
MW-2	97.2	5/3/2012	Dry	14.98	NA
MW-3	93.44	5/3/2012	4.4	14.75	89.04

Notes:

Elevations relative to site-established benchmark (100 feet).

GS - Ground Surface

bTOC - below Top of Casing

Table 3
Soil VOCs Compared to TACO Tier I ROs for Residential Properties
White Motel Property
107-111 East 14th Street
Chicago Heights, IL

Parameter	TACO Tier I Residential ROs ¹		Soil Component of the Class I GW Ingestion Route ¹	GP-1B		GP-2B		GP-3		GP-DUP		GP-4		GP-5	
	Ingestion	Inhalation		8-10 ft bgs		3-5 ft bgs		5-7 ft bgs		5-7 ft bgs		5-7 ft bgs		3-5 ft bgs	
				5/3/2012	5/2/2012	5/2/2012	5/2/2012	5/2/2012	5/2/2012	5/2/2012	5/3/2012				
1,1,1-Trichloroethane	NE	1,200	2	0.0052	U	0.0093	U	0.0059	U	0.0057	U	0.0054	U	0.0046	U
1,1,2,2-Tetrachloroethane	4700	2000	NE	0.0052	U	0.0093	U	0.0059	U	0.0057	U	0.0054	U	0.0046	U
1,1,2-Trichloroethane	310	1,800	0.02	0.0052	U	0.0093	U	0.0059	U	0.0057	U	0.0054	U	0.0046	U
1,1-Dichloroethane	7,800	1,300	23	0.0052	U	0.0093	U	0.0059	U	0.0057	U	0.0054	U	0.0046	U
1,1-Dichloroethene	3,900	290 / 3.0*	0.06	0.0052	U	0.0093	U	0.0059	U	0.0057	U	0.0054	U	0.0046	U
1,2-Dichloroethane	7	0.4	0.02	0.0052	U	0.0093	U	0.0059	U	0.0057	U	0.0054	U	0.0046	U
1,2-Dichloropropane	9	15	0.03	0.0052	U	0.0093	U	0.0059	U	0.0057	U	0.0054	U	0.0046	U
2-Butanone	47000	25000	NE	0.078	U	0.14	U	0.088	U	0.086	U	0.081	U	0.069	U
2-Hexanone	NE	NE	NE	0.021	U	0.037	U	0.023	U	0.023	U	0.022	U	0.018	U
4-Methyl-2-pentanone	NE	3100	NE	0.021	U	0.037	U	0.023	U	0.023	U	0.022	U	0.018	U
Acetone	70,000	100,000	25	0.078	U	0.15	U	0.088	U	0.086	U	0.081	U	0.069	U
Benzene	12	0.8	0.03	0.27	U	0.0093	U	0.0059	U	0.0057	U	0.0054	U	0.0046	U
Bromodichloromethane	10	3,000	0.6	0.0052	U	0.0093	U	0.0059	U	0.0057	U	0.0054	U	0.0046	U
Bromoform	81	53	0.8	0.0052	U	0.0093	U	0.0059	U	0.0057	U	0.0054	U	0.0046	U
Bromomethane	110	10	0.2	0.01	U	0.019	U	0.012	U	0.011	U	0.011	U	0.0092	U
Carbon disulfide	7,800	720	32	0.052	U	0.093	U	0.059	U	0.057	U	0.054	U	0.046	U
Carbon tetrachloride	5	0.3	0.07	0.0052	U	0.0093	U	0.0059	U	0.0057	U	0.0054	U	0.0046	U
Chlorobenzene	1,600	130	1	0.0052	U	0.0093	U	0.0059	U	0.0057	U	0.0054	U	0.0046	U
Chloroethane	NE	NE	NE	0.01	U	0.019	U	0.012	U	0.011	U	0.011	U	0.0092	U
Chloroform	100	0.3	0.6	0.0052	U	0.0093	U	0.0059	U	0.0057	U	0.0054	U	0.0046	U
Chloromethane	NE	NE	NE	0.01	U	0.019	U	0.012	U	0.011	U	0.011	U	0.0092	U
cis-1,2-Dichloroethene	780	1,200	0.4	0.0052	U	0.0093	U	0.0059	U	0.0057	U	0.0054	U	0.0046	U
cis-1,3-Dichloropropene	6.4	1.1	0.004	0.0021	U	0.0037	U	0.0023	U	0.0023	U	0.0022	U	0.0018	U
Dibromochloromethane	1,600	1,300	0.4	0.0052	U	0.0093	U	0.0059	U	0.0057	U	0.0054	U	0.0046	U
Ethylbenzene	7,800	400	13	0.0052	U	0.0093	U	0.0059	U	0.0057	U	0.0054	U	0.0046	U
Methyl tert-butyl ether	780	8,800	0.32	0.0052	U	0.0093	U	0.0059	U	0.0057	U	0.0054	U	0.0046	U
Methylene chloride	85	13	0.02	0.01	U	0.019	U	0.012	U	0.011	U	0.011	U	0.0092	U
Styrene	16,000	1,500	4	0.0052	U	0.0093	U	0.0059	U	0.0057	U	0.0054	U	0.0046	U
Tetrachloroethene	12	11	0.06	0.0052	U	0.0093	U	0.0059	U	0.0057	U	0.0054	U	0.0046	U
Toluene	16,000	650	12	0.0067	U	0.0093	U	0.0059	U	0.0057	U	0.0054	U	0.0046	U

Table 3
Soil VOCs Compared to TACO Tier I ROs for Residential Properties
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Chicago Heights, IL

Parameter	TACO Tier I Residential ROs ¹		Soil Component of the Class I GW Ingestion Route ¹	GP-1B		GP-2B		GP-3		GP-DUP		GP-4		GP-5	
	Ingestion	Inhalation		8-10 ft bgs		3-5 ft bgs		5-7 ft bgs		5-7 ft bgs		5-7 ft bgs		3-5 ft bgs	
				5/3/2012	5/2/2012	5/2/2012	5/2/2012	5/2/2012	5/2/2012	5/2/2012	5/3/2012				
trans-1,2-Dichloroethene	1,600	3,100	0.7	0.0052	U	0.0093	U	0.0059	U	0.0057	U	0.0054	U	0.0046	U
trans-1,3-Dichloropropene	6.4	1.1	0.004	0.0021	U	0.0037	U	0.0023	U	0.0023	U	0.0022	U	0.0018	U
Trichloroethene	58	5	0.06	0.0052	U	0.0093	U	0.0059	U	0.0057	U	0.0054	U	0.0046	U
Vinyl chloride	0.46	0.28	0.01	0.0052	U	0.0093	U	0.0059	U	0.0057	U	0.0054	U	0.0046	U
Xylenes, Total	16,000	320	150	0.016		0.028	U	0.018	U	0.017	U	0.016	U	0.014	U
pH	NE	NE	NE	NA		NA		6.8		NA		NA		NA	

Notes:

¹ Appendix B, Table A of TACO

All units in milligrams per kilogram

U = The analyte was analyzed for, but not detected. Value shown is the reporting limit.

NE = Tier 1 remediation objectives have not been established for this compound for the specific pathway.

NA = Not Analyzed

A bold and shaded value indicates that the compound was detected at a concentration exceeding the Residential RO and/or the Soil Component of the Class I GW Ingestion Route

Table 4
Soil SVOCs Compared to TACO Tier I ROs for Residential Properties
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Parameter	TACO Tier I Residential ROs ¹		Soil Component of the Class I GW Ingestion Route ¹	GP-1B		GP-2B		GP-3		GP-DUP		GP-4		GP-5	
	Ingestion	Inhalation		8-10 ft bgs		3-5 ft bgs		5-7 ft bgs		5-7 ft bgs		5-7 ft bgs		3-5 ft bgs	
				5/3/2012	5/2/2012	5/2/2012	5/2/2012	5/2/2012	5/2/2012	5/2/2012	5/3/2012				
1,2,4-Trichlorobenzene	780	3,200	5	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
1,2-Dichlorobenzene	7,000	560	17	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
1,3-Dichlorobenzene	NE	NE	NE	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
1,4-Dichlorobenzene	NE	11000	2	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
2, 2'-oxybis(1-Chloropropane)	NE	NE	NE	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
2,4,5-Trichlorophenol	7800	NE	270	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
2,4,6-Trichlorophenol	58	200	0.2	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
2,4-Dichlorophenol	230	NE	1	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
2,4-Dimethylphenol	1600	NE	9	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
2,4-Dinitrophenol	160	NE	0.2	0.97	U	11	U	1	U	1	U	0.99	U	0.96	U
2,4-Dinitrotoluene	0.9	NE	0.0008	0.039	U	0.43	U	0.042	U	0.041	U	0.039	U	0.038	U
2,6-Dinitrotoluene	0.9	NE	0.0007	0.039	U	0.43	U	0.042	U	0.041	U	0.039	U	0.038	U
2-Chloronaphthalene	6300	NE	NE	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
2-Chlorophenol	390	53000	4	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
2-Methylnaphthalene	310	NE	NE	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
2-Methylphenol	3900	NE	15	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
2-Nitroaniline	230	35	NE	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
2-Nitrophenol	NE	NE	NE	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
3,3'-Dichlorobenzidine	1	NE	0.007	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
3-Nitroaniline	23	250	NE	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
4,6-Dinitro-2-methylphenol	7.8	NE	NE	0.39	U	4.3	U	0.42	U	0.41	U	0.39	U	0.38	U
4-Bromophenyl phenyl ether	NE	NE	NE	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
4-Chloro-3-methylphenol	NE	NE	NE	0.39	U	4.3	U	0.42	U	0.41	U	0.39	U	0.38	U
4-Chloroaniline	310	NE	0.7	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
4-Chlorophenyl phenyl ether	NE	NE	NE	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
4-Methylphenol	390	NE	NE	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
4-Nitroaniline	230	1000	NE	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
4-Nitrophenol	630	NE	NE	0.39	U	4.3	U	0.42	U	0.41	U	0.39	U	0.38	U
Acenaphthene	4700	NE	570	0.039	U	0.43	U	0.042	U	0.041	U	0.039	U	0.038	U
Acenaphthylene	2300	NE	NE	0.039	U	0.43	U	0.042	U	0.041	U	0.039	U	0.038	U
Aniline	NE	NE	NE	0.39	U	4.4	U	0.42	U	0.42	U	0.4	U	0.38	U

Table 4
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Parameter	TACO Tier I Residential ROs ¹		Soil Component of the Class I GW Ingestion Route ¹	GP-1B		GP-2B		GP-3		GP-DUP		GP-4		GP-5	
	Ingestion	Inhalation		8-10 ft bgs		3-5 ft bgs		5-7 ft bgs		5-7 ft bgs		5-7 ft bgs		3-5 ft bgs	
				5/3/2012	5/2/2012	5/2/2012	5/2/2012	5/2/2012	5/2/2012	5/2/2012	5/3/2012				
Anthracene	23000	NE	12,000	0.039	U	0.43	U	0.042	U	0.041	U	0.039	U	0.038	U
Benzidine	NE	NE	NE	0.39	U	4.3	U	0.42	U	0.41	U	0.39	U	0.38	U
Benzo(a)anthracene	0.9	NE	2	0.039	U	0.43	U	0.042	U	0.041	U	0.039	U	0.038	U
Benzo(a)pyrene	0.09	NE	8	0.039	U	0.43	U	0.042	U	0.041	U	0.039	U	0.038	U
Benzo(b)fluoranthene	0.9	NE	5	0.039	U	0.43	U	0.042	U	0.041	U	0.039	U	0.038	U
Benzo(g,h,i)perylene	2300	NE	NE	0.039	U	0.43	U	0.042	U	0.041	U	0.039	U	0.038	U
Benzo(k)fluoranthene	9	NE	49	0.039	U	0.43	U	0.042	U	0.041	U	0.039	U	0.038	U
Benzoic acid	310,000	---	400	0.97	U	11	U	1	U	1	U	0.99	U	0.96	U
Benzyl alcohol	NE	NE	NE	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
Bis(2-chloroethoxy)methane	NE	NE	NE	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
Bis(2-chloroethyl)ether	0.6	0.2	0.0004	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
Bis(2-ethylhexyl)phthalate	46	31000	3,600	0.97	U	11	U	1	U	1	U	0.99	U	0.96	U
Butyl benzyl phthalate	16000	930	930	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
Carbazole	32	NE	0.6	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
Chrysene	88	NE	160	0.039	U	0.43	U	0.042	U	0.041	U	0.039	U	0.038	U
Dibenz(a,h)anthracene	0.09	NE	2	0.039	U	0.43	U	0.042	U	0.041	U	0.039	U	0.038	U
Dibenzofuran	160	NE	NE	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
Diethyl phthalate	63000	2000	470	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
Dimethyl phthalate	NE	NE	NE	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
Di-n-butyl phthalate	7800	2300	2,300	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
Di-n-octyl phthalate	1600	10000	10,000	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
Fluoranthene	3100	NE	4,300	0.039	U	0.63	U	0.042	U	0.041	U	0.039	U	0.038	U
Fluorene	3100	NE	560	0.039	U	0.43	U	0.042	U	0.041	U	0.039	U	0.038	U
Hexachlorobenzene	0.4	1	2	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
Hexachlorobutadiene	NE	NE	NE	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
Hexachlorocyclopentadiene	550	10	400	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
Hexachloroethane	78	NE	0.5	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
Indeno(1,2,3-cd)pyrene	0.9	NE	14	0.039	U	0.43	U	0.042	U	0.041	U	0.039	U	0.038	U
Isophorone	15600	4600	8	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
Naphthalene	1600	170	12	0.039	U	0.43	U	0.042	U	0.041	U	0.039	U	0.038	U
Nitrobenzene	39	92	0.1	0.039	U	0.43	U	0.042	U	0.041	U	0.039	U	0.038	U
N-Nitrosodi-n-propylamine	0.09	NE	0.00005	0.039	U	0.43	U	0.042	U	0.041	U	0.039	U	0.038	U

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Parameter	TACO Tier I Residential ROs ¹		Soil Component of the Class I GW Ingestion Route ¹	GP-1B		GP-2B		GP-3		GP-DUP		GP-4		GP-5	
	Ingestion	Inhalation		8-10 ft bgs		3-5 ft bgs		5-7 ft bgs		5-7 ft bgs		5-7 ft bgs		3-5 ft bgs	
				5/3/2012		5/2/2012		5/2/2012		5/2/2012		5/2/2012		5/3/2012	
N-Nitrosodimethylamine	NE	NE	NE	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
N-Nitrosodiphenylamine	130	NE	1	0.039	U	0.43	U	0.042	U	0.041	U	0.039	U	0.038	U
Pentachlorophenol	3	NE	0.03	0.039	U	0.43	U	0.042	U	0.041	U	0.039	U	0.038	U
Phenanthrene	2300	NE	NE	0.039	U	0.43	U	0.042	U	0.041	U	0.039	U	0.038	U
Phenol	23000	NE	100	0.2	U	2.2	U	0.21	U	0.21	U	0.2	U	0.2	U
Pyrene	2300	NE	4,200	0.039	U	0.6		0.042	U	0.041	U	0.039	U	0.038	U
Pyridine	NE	NE	NE	0.79	U	8.8	U	0.84	U	0.84	U	0.8	U	0.77	U
pH	NE	NE	NE	NA		NA		6.8		NA		NA		NA	

Notes:

¹ Appendix B, Table A of TACO

All units in milligram per kilogram

U = The analyte was analyzed for, but not detected. Value shown is the reporting limit.

NE = Tier 1 remediation objectives have not been established for this compound for the specific pathway.

NA = Not Analyzed

A bold and shaded value indicates that the compound was detected at a concentration exceeding the Residential RO and/or the Soil Component of the Class I GW Ingestion Route

Table 5
Soil TPH Compared to Soil Attenuation Capacity (SAC) Default Values
White Motel Property
107-111 East 14th Street
Chicago Heights, IL

Parameter	TPH Soil Screening RO ¹	GP-1B		GP-2B		GP-3		GP-DUP		GP-4		GP-5	
		8-10 ft bgs		3-5 ft bgs		5-7 ft bgs		5-7 ft bgs		5-7 ft bgs		3-5 ft bgs	
		5/3/2012		5/2/2012		5/2/2012		5/2/2012		5/2/2012		5/3/2012	
TPH (GRO)	2000/6000	23	U	120		25	U	25	U	24	U	23	U
TPH (DRO)	2000/6000	23	U	960		25	U	25	U	24	U	23	U
TPH (ERO)	2000/6000	23	U	13,000		33		25		24		23	U
pH	NE	NA		NA		6.8		NA		NA		NA	

Notes:

¹Section 742.215(61A) of TACO

Default value for soils between 0-3 ft bgs = 6000 mg/kg.

Default value for soils below 3 ft bgs = 2000 mg/kg.

All units are in milligrams per kilogram

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

ERO = Extended Range Organics

NA = Not Analyzed

Table 6
Soil Metals Compared to TACO Tier I ROs for Residential Properties
White Motel Property
107-111 East 14th Street
Chicago Heights, IL

Parameter	TACO Tier I Residential ROs ¹		Soil Component of the Class I GW Ingestion Exposure Route ²	TACO Tier I Construction Worker ROs ³		GP-1B	GP-2B	GP-3	GP-DUP	GP-4	GP-5				
	Ingestion	Inhalation	pH 6.65 to 6.89	Ingestion	Inhalation	8-10 ft bgs	3-5 ft bgs	5-7 ft bgs	5-7 ft bgs	5-7 ft bgs	3-5 ft bgs				
						5/3/2012	5/2/2012	5/2/2012	5/2/2012	5/2/2012	5/3/2012				
Arsenic	13	750	29	61	25,000	6.9	19	5.8	6.2	7.5	8.4				
Barium	5,500	690,000	1600	14,000	870,000	83	550	180	180	140	79				
Cadmium	78	1,800	7.5	200	59,000	0.65	U	1.6	0.56	U	0.57	U			
Chromium	230	270	38	4,100	690	26	27	22	22	30	24				
Lead	400	NE	107	700	NE	17	710	24	24	18	15				
Mercury	23	10	2.1	61	0.1	0.023	U	0.2	0.031	0.024	U	0.019	0.023	U	
Selenium	390	NE	5.2	1,000	NE	1.3	U	1.5	1.1	U	1.3	1.1	U	1.1	U
Silver	390	NE	8.5	1,000	NE	1.3	U	1.3	U	1.1	U	1.1	U	1.1	U
pH	NE	NE	NE	NE	NE	NA	NA	6.8	NA	NA	NA	NA	NA	NA	NA

Notes:

¹ Appendix B, Table A of TACO

² Appendix B, Table C of TACO

³ Appendix B, Table B of TACO

All units are in milligrams per kilogram

U = The analyte was analyzed for, but not detected. Value shown is the reporting limit.

NE = Tier 1 remediation objectives have not been established for this compound for the specific pathway.

NA = Not Analyzed

A bold value indicates that the compound was detected at a concentration exceeding the Residential RO only.

A bold and shaded value indicates that the compound was detected at a concentration exceeding the Residential RO, the Soil Component of the Class I GW Ingestion Route and the Construction Worker RO.

Table 7
Groundwater VOCs Compared to TACO Class I Groundwater ROs for Industrial-Commercial Properties
White Motel Property
107-111 East 14th Street
Chicago Heights, IL

Parameter	TACO Class I Groundwater Standard ¹	MW-1		MW-3	
		5/8/2012		5/8/2012	
Volatile Organic Compounds					
1,1,1-Trichloroethane	0.2	0.005	U	0.005	U
1,1,2,2-Tetrachloroethane	NE	0.005	U	0.005	U
1,1,2-Trichloroethane	0.005	0.005	U	0.005	U
1,1-Dichloroethane	0.7	0.005	U	0.005	U
1,1-Dichloroethene	0.007	0.005	U	0.005	U
1,2-Dichloroethane	0.005	0.005	U	0.005	U
1,2-Dichloropropane	0.005	0.005	U	0.005	U
2-Butanone	NE	0.02	U	0.02	U
2-Hexanone	NE	0.02	U	0.02	U
4-Methyl-2-pentanone	NE	0.02	U	0.02	U
Acetone	6.3	0.02	U	0.02	U
Benzene	0.005	0.005	U	0.005	U
Bromodichloromethane	0.0002	0.005	U	0.005	U
Bromoform	0.001	0.005	U	0.005	U
Bromomethane	0.0098	0.01	U	0.01	U
Carbon disulfide	0.7	0.01	U	0.01	U
Carbon tetrachloride	0.005	0.005	U	0.005	U
Chlorobenzene	0.1	0.005	U	0.005	U
Chloroethane	NE	0.01	U	0.01	U
Chloroform	0.0002	0.005	U	0.005	U
Chloromethane	NE	0.01	U	0.01	U
cis-1,2-Dichloroethene	0.07	0.005	U	0.005	U
cis-1,3-Dichloropropene	0.001	0.001	U	0.001	U
Dibromochloromethane	0.14	0.005	U	0.005	U
Ethylbenzene	0.7	0.005	U	0.005	U
Methylene chloride	0.005	0.005	U	0.005	U
Methyl tert-butyl ether	0.07	0.005	U	0.005	U
Styrene	0.1	0.005	U	0.005	U

Table 7
Groundwater VOCs Compared to TACO Class I Groundwater ROs for Industrial-Commercial Properties
White Motel Property
107-111 East 14th Street
Chicago Heights, IL

Tetrachloroethene	0.005	0.005	U	0.005	U
Toluene	1.0	0.005	U	0.005	U
trans-1,2-Dichloroethene	0.1	0.005	U	0.005	U
trans-1,3-Dichloropropene	0.001	0.001	U	0.001	U
Trichloroethene	0.005	0.005	U	0.005	U
Vinyl chloride	0.002	0.002	U	0.002	U
Xylenes, Total	10.0	0.015	U	0.015	U

Notes:

¹Appendix B, Table E of TACO

All units are in milligrams per liter.

NE= Class I Groundwater Standard Not Established

U = The analyte was analyzed for, but not detected. Value shown is the reporting limit.

Table 8
Groundwater SVOCs Compared to TACO Class I Groundwater ROs for Industrial-Commercial Properties
White Motel Property
107-111 East 14th Street
Chicago Heights, IL

Parameter	TACO Class I Groundwater Standard ¹	MW-1		MW-3	
		5/8/2012		5/8/2012	
1,2,4-Trichlorobenzene	0.07	0.005	U	0.005	U
1,2-Dichlorobenzene	0.6	0.005	U	0.005	U
1,3-Dichlorobenzene	NE	0.005	U	0.005	U
1,4-Dichlorobenzene	0.075	0.005	U	0.005	U
2, 2'-oxybis(1-Chloropropane)	NE	0.005	U	0.005	U
2,4,5-Trichlorophenol	0.7	0.01	U	0.01	U
2,4,6-Trichlorophenol	0.01	0.005	U	0.005	U
2,4-Dichlorophenol	0.021	0.005	U	0.005	U
2,4-Dimethylphenol	0.14	0.005	U	0.005	U
2,4-Dinitrophenol	0.014	0.025	U	0.025	U
2,4-Dinitrotoluene	0.00002	0.0001	U	0.0001	U
2,6-Dinitrotoluene	0.00031	0.0001	U	0.0001	U
2-Chloronaphthalene	NE	0.005	U	0.005	U
2-Chlorophenol	0.035	0.005	U	0.005	U
2-Methylnaphthalene	NE	0.005	U	0.005	U
2-Methylphenol	0.35	0.005	U	0.005	U
2-Nitroaniline	NE	0.025	U	0.025	U
2-Nitrophenol	NE	0.005	U	0.005	U
3,3'-Dichlorobenzidine	0.02	0.01	U	0.01	U
3-Nitroaniline	NE	0.025	U	0.025	U
4,6-Dinitro-2-methylphenol	NE	0.025	U	0.025	U
4-Bromophenyl phenyl ether	NE	0.005	U	0.005	U
4-Chloro-3-methylphenol	NE	0.005	U	0.005	U
4-Chloroaniline	0.028	0.005	U	0.005	U
4-Chlorophenyl phenyl ether	NE	0.005	U	0.005	U
4-Methylphenol	NE	0.005	U	0.005	U
4-Nitroaniline	NE	0.025	U	0.025	U
4-Nitrophenol	NE	0.025	U	0.025	U
Acenaphthene	0.42	0.001	U	0.001	U

Table 8
Groundwater SVOCs Compared to TACO Class I Groundwater ROs for Industrial-Commercial Properties
White Motel Property
107-111 East 14th Street
Chicago Heights, IL

Parameter	TACO Class I Groundwater Standard ¹	MW-1		MW-3	
		5/8/2012		5/8/2012	
1,2,4-Trichlorobenzene	0.07	0.005	U	0.005	U
Acenaphthylene	NE	0.001	U	0.001	U
Aniline	NE	0.005	U	0.005	U
Anthracene	2.1	0.001	U	0.001	U
Benzidine	NE	0.005	U	0.005	U
Benzo(a)anthracene	0.00013	0.0001	U	0.0001	U
Benzo(a)pyrene	0.0002	0.0001	U	0.0001	U
Benzo(b)fluoranthene	0.00018	0.0001	U	0.0001	U
Benzo(g,h,i)perylene	NE	0.001	U	0.001	U
Benzoic acid	28	0.025	U	0.025	U
Benzo(k)fluoranthene	0.00017	0.0001	U	0.0001	U
Benzyl alcohol	NE	0.005	U	0.005	U
Bis(2-chloroethoxy)methane	NE	0.005	U	0.005	U
Bis(2-chloroethyl)ether	0.01	0.005	U	0.005	U
Bis(2-ethylhexyl)phthalate	0.006	0.005	U	0.005	U
Butyl benzyl phthalate	1.4	0.005	U	0.005	U
Carbazole	NE	0.0001	U	0.0001	U
Chrysene	0.0015	0.0001	U	0.0001	U
Dibenz(a,h)anthracene	0.0003	0.0001	U	0.0001	U
Dibenzofuran	NE	0.005	U	0.005	U
Diethyl phthalate	5.6	0.005	U	0.005	U
Dimethyl phthalate	NE	0.005	U	0.005	U
Di-n-butyl phthalate	0.7	0.005	U	0.005	U
Di-n-octyl phthalate	0.14	0.005	U	0.005	U
Fluoranthene	0.28	0.001	U	0.001	U
Fluorene	0.28	0.001	U	0.001	U
Hexachlorobenzene	0.00006	0.005	U	0.005	U
Hexachlorobutadiene	NE	0.005	U	0.005	U
Hexachlorocyclopentadiene	0.05	0.005	U	0.005	U

Table 8
Groundwater SVOCs Compared to TACO Class I Groundwater ROs for Industrial-Commercial Properties
White Motel Property
107-111 East 14th Street
Chicago Heights, IL

Parameter	TACO Class I Groundwater Standard ¹	MW-1		MW-3	
		5/8/2012		5/8/2012	
1,2,4-Trichlorobenzene	0.07	0.005	U	0.005	U
Hexachloroethane	0.007	0.005	U	0.005	U
Indeno(1,2,3-cd)pyrene	0.00043	0.0001	U	0.0001	U
Isophorone	1.4	0.005	U	0.005	U
Naphthalene	0.14	0.001	U	0.001	U
Nitrobenzene	0.0035	0.001	U	0.001	U
N-Nitrosodimethylamine	NE	0.005	U	0.005	U
N-Nitrosodi-n-propylamine	0.0018	0.0001	U	0.0001	U
N-Nitrosodiphenylamine	0.0032	0.005	U	0.005	U
Pentachlorophenol	0.001	0.0005	U	0.0005	U
Phenanthrene	NE	0.001	U	0.001	U
Phenol	0.1	0.005	U	0.005	U
Pyrene	0.21	0.001	U	0.001	U
Pyridine	NE	0.005	U	0.005	U

Notes:

¹Appendix B, Table E of TACO

All units are in milligrams per liter.

NE= Class I Groundwater Standard Not Established

U = The analyte was analyzed for, but not detected. Value shown is the reporting limit.

Table 9
TPH Groundwater Analytical Results
White Motel Property
107-111 East 14th Street
Chicago Heights, Illinois

Parameter	MW-1		MW-3	
	5/8/2012		5/8/2012	
TPH (GRO)	0.1	U	0.1	U
TPH (DRO)	0.25		0.1	U
TPH (ERO)	0.46		0.23	

Notes:

All units are in milligrams per liter.

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

ERO = Extended Range Organics

U = The analyte was analyzed for, but not detected. Value shown is the reporting limit.

Table 10
Groundwater Metals Compared to TACO Class I Groundwater ROs for Industrial-Commercial Properties
White Motel Property
107-111 East 14th Street
Chicago Heights, IL

Parameter	TACO Class I Groundwater Standard ¹	MW-1		MW-3	
		5/8/2012		5/8/2012	
Metals					
Arsenic	0.05	0.004	U	0.004	U
Barium	2.0	0.12		0.054	
Cadmium	0.005	0.002	U	0.002	U
Chromium	0.1	0.004	U	0.004	U
Lead	0.0075	0.0062		0.004	
Mercury	0.002	0.0002	U	0.0002	U
Selenium	0.05	0.0047		0.004	U
Silver	0.05	0.004	U	0.004	U

Notes:

¹Appendix B, Table E of TACO

All units are in milligrams per liter.

U = The analyte was analyzed for, but not detected. Value shown is the reporting limit.